Design once, engineer right

Highways



Tony Gee

Design Once, Engineer Right

Our work is always the best it should be, anticipating challenges and revealing possibilities, avoiding waste and better serving the needs of society and the environment - for today and the future.



Sheikh Jaber Al Ahmad Al Sabah Causeway Project (Doha Link)

Tony Gee in Highways

Tony Gee's experience in the highways sector ranges from major capital projects on strategic road networks to local active travel infrastructure around the world. We have experience of a broad range of delivery models from alliancing and partnering to highly collaborative design and build arrangements.

Our highways experience ranges from (but is not limited to) property development schemes, major trunk road development, motorway improvements and bypasses.

Buildable, value driven highways solutions

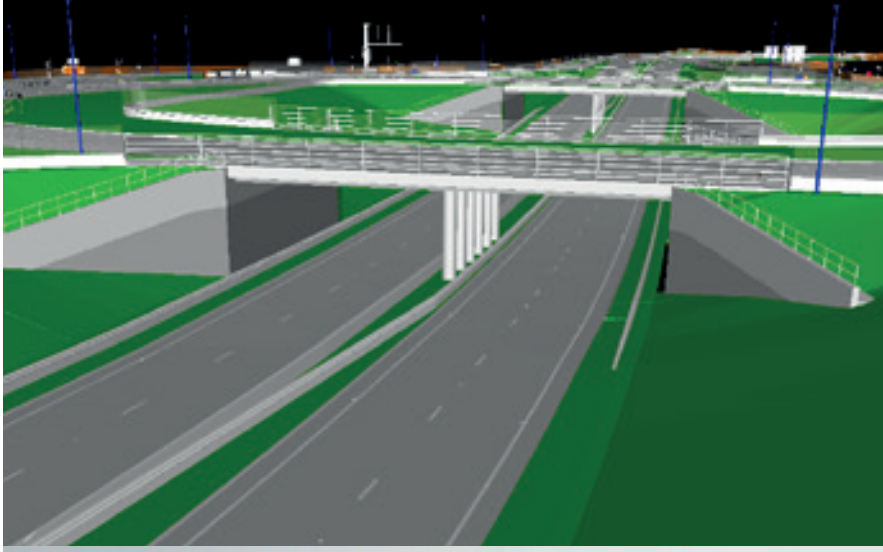
Our culture centres on delivering our promises to clients focusing on buildability, value driven collaborative decision making and technical excellence to achieve predictable project outcomes.

Whether it be a major highway or a local asset repair, we combine our permanent infrastructure and temporary works expertise to deliver genuine value by design.

Digital highways

Our commitment to 'right first time' is underpinned by our investment in digital on all our projects. The digital twins we develop yield tangible value to our clients through digital rehearsal and planning mitigating challenges in the virtual space off critical path, not on site.

Digital rehearsal is key to truly delivering safe, value driven, sustainable, buildable designs and avoiding unbalanced reactive changes during construction.





What makes us stand out

Collaborative

Working with clients and contractors on complex projects

Flexible

Agile and responsive in service delivery with an ability to adapt to complex challenges

Delivering value

Socially, financially and sustainably, through our safe and buildable infrastructure designs

Understanding

Construction risk in the design process methodology and design integration

Sustainable

Designing with carbon and biodiversity net gain in mind, ensuring staff are trained to deliver sustainable solutions

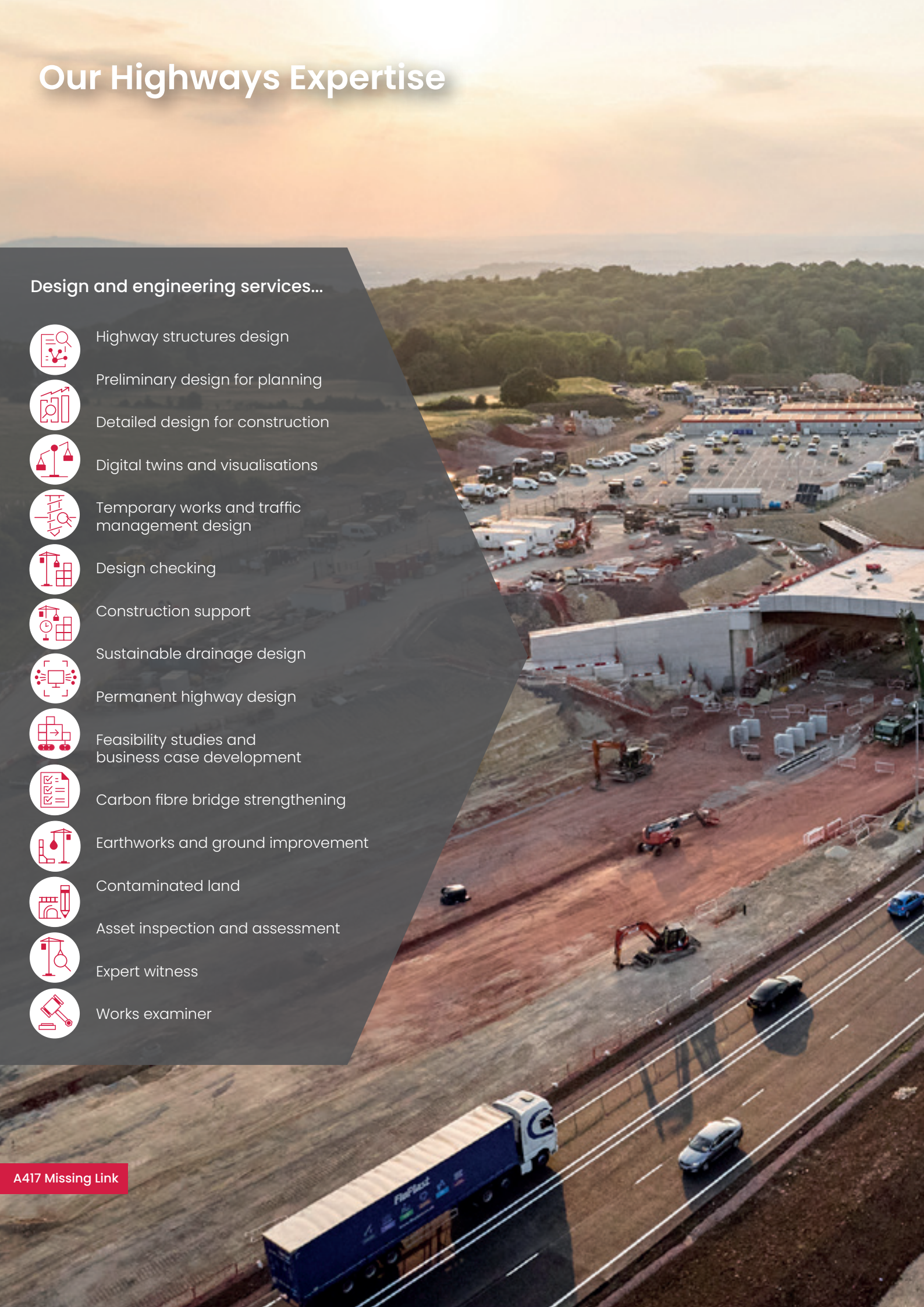
Technical

Highly experienced local teams that understand the challenges faced by clients and invested in its success

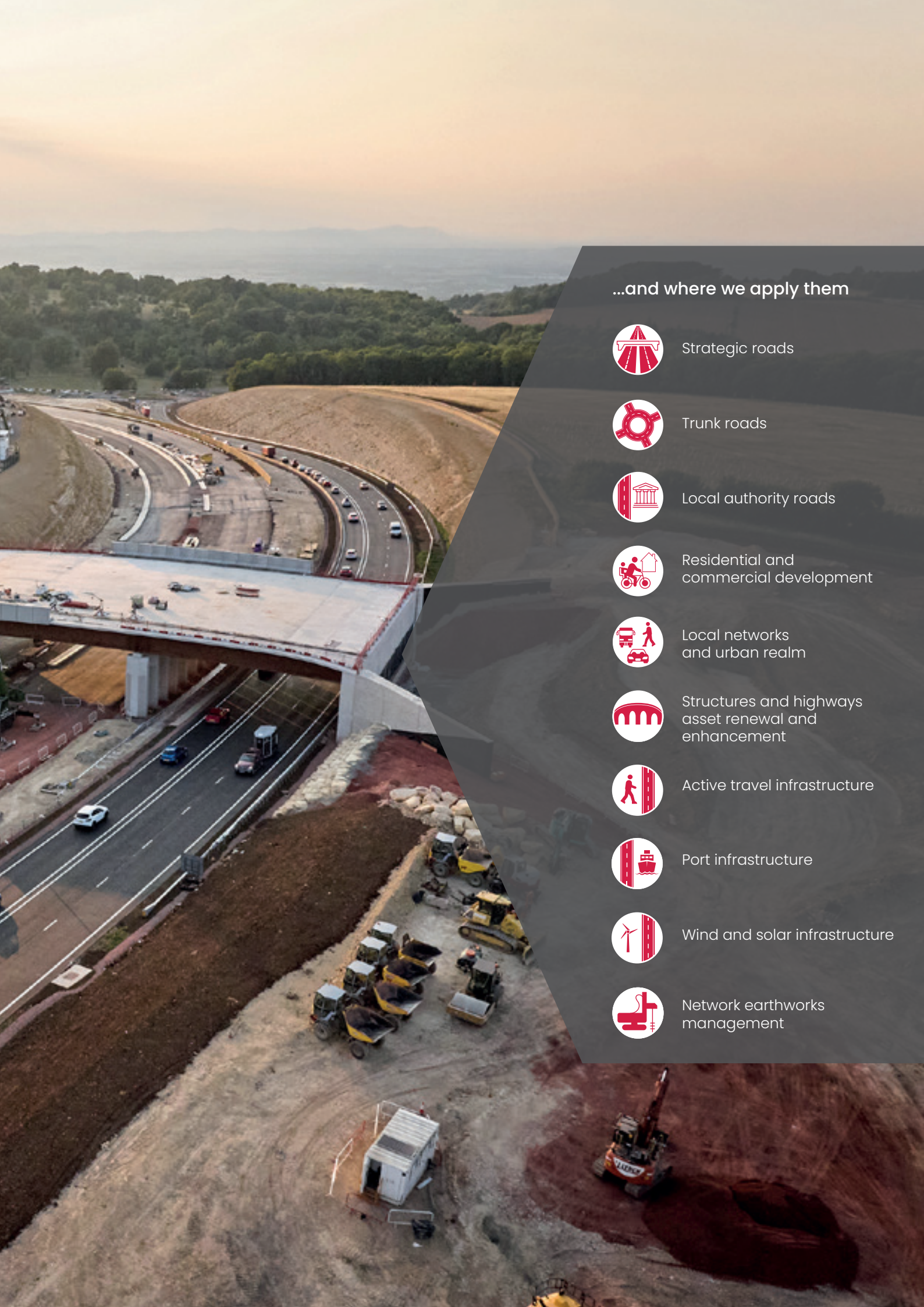
Our Highways Expertise

Design and engineering services...

- Highway structures design
- Preliminary design for planning
- Detailed design for construction
- Digital twins and visualisations
- Temporary works and traffic management design
- Design checking
- Construction support
- Sustainable drainage design
- Permanent highway design
- Feasibility studies and business case development
- Carbon fibre bridge strengthening
- Earthworks and ground improvement
- Contaminated land
- Asset inspection and assessment
- Expert witness
- Works examiner



A417 Missing Link



...and where we apply them

- Strategic roads
- Trunk roads
- Local authority roads
- Residential and commercial development
- Local networks and urban realm
- Structures and highways asset renewal and enhancement
- Active travel infrastructure
- Port infrastructure
- Wind and solar infrastructure
- Network earthworks management

Strategic Roads



A585 Windy Harbour

Tony Gee has been actively delivering highway design for over 20 years across a range of strategic and principal road schemes. Our primary route to market has been through contractor clients in competitive design and build settings and we have embarked on progressive alliance models embracing industry leading collaborative behaviours. Through these engagements which contractors we now have routes to market with local authorities and developers.

Our project experience has grown to include schemes shich as the $600m Sheikh Jaber Al Ahmad Al Sabah Causeway Project (Doha Link) to Kuwait for contractor GS Engineering to the A585 Windy Harbour to Skippool Improvements scheme for National Highways under their flagship Regional Delivery Partnership Framework.

We understand the imperatives that drives these clients as well as their high expectations for quality, value, and sustainability. Delivering on our commitments rests at the cornerstone of everything that we do whilst remaining adept at realising excellent engineering in concert with planning and stakeholder requirements.



Wokingham Major Highways Programme



Sheikh Jaber Al Ahmad Al Sabah Causeway Project (Doha Link)



A453 Widening



M1 Junction 10A Improvements



A417 Missing Link

Trunk Roads

A82 Pulpit Rock

Trunk roads, provide some of the most challenging projects for those procuring or delivering them. Tony Gee's extensive experience and knowledge simplifies scheme delivery for all parties. Supporting both contractors and asset owners.

Over and above efficient design we also include buildability and sequencing of scheme delivery to add value.

This is very relevant to not only new highway links connecting growth corridors, but also complex junction works.

Our engineering excellence, pragmatism and environmental respect deliver award winning solutions. All with taking account of commercial, societal, and planning constraint



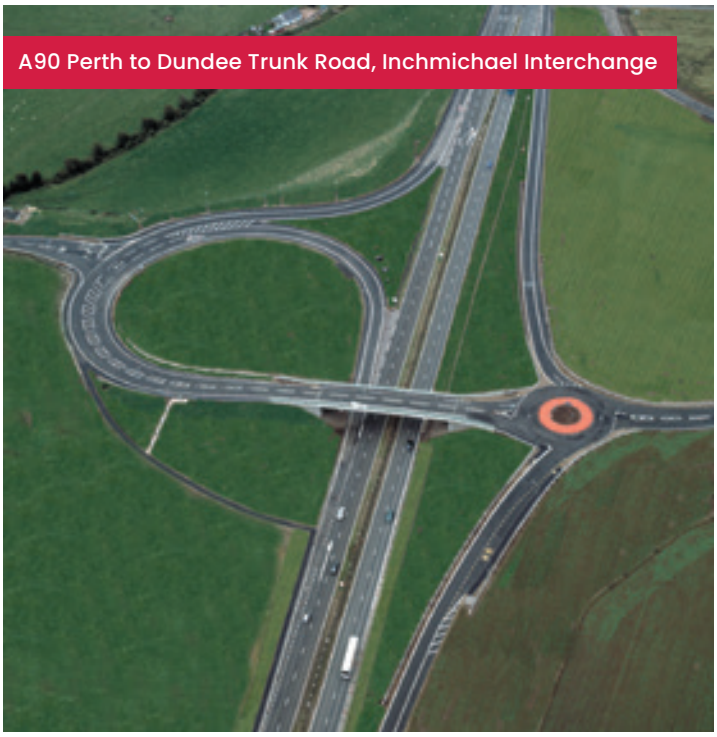
A985/A876 Kincardine Eastern Link Road



A77 Symington to Bogend Toll



A80 Auchenkilns Junction Improvement



A90 Perth to Dundee Trunk Road, Inchmichael Interchange



A361 North Devon Link Road



A77 Haggstone to Glen App Improvement

Local Networks and Urban Realm

A142 Ely Southern Bypass

To deliver successful local road network and urban realm projects Tony Gee collaboratively joins in-house and partner specialists to offer the broad range of planning, environmental, stakeholder and engineering services required.

We understand that local authority and urban projects have great meaning to the communities they serve so we work with our clients to engineer solutions which embraces stakeholder and community needs, minimise disruption during delivery and maximise benefit upon completion.

We are experts in deploying digital solutions such as visualisations and virtual reality simulation to enable inclusive access to information throughout the design process, as well as informing technical review process and digital rehearsals ahead of construction.



A259 Improvements

Coulsdon Town Improvement



Warrington Western Link Road



Crawley Eastern Gateway



Green Lane and Hawse Lane Improvements



Development Infrastructure



Wokingham Major Highways Programme

At the heart of any development is the infrastructure needed to provide access, connectivity and the services required for its purpose whether that is for the growth in ports, airports, commercial and industrial or garden towns and villages.

Tony Gee has the ability to facilitate a fresh approach to delivering buildable design in these types of environments providing solutions for roads, sustainable urban drainage, structures, active travel, earthworks that meet the project and client aspirations.

We can offer an integrated approach covering all aspects of the engineering, planning and environmental services from concept and master-planning through to delivery and commissioning.



Project Riverside



Northampton University Infrastructure





DP World London Gateway



Burgess Hill-Eastern Link Road & Bridge Works



Arlesey Footbridge



Structures and Highways Asset Renewal and Enhancement



M6 Lune Gorge

Tony Gee's reputation has been founded, in part, on identifying and developing clever and innovative solutions. Our ability to generate ideas and evolve them into workable schemes is second to none. This is the value that we offer to highways renewals and enhancement where minimising disruption to the travelling public is a vital component to any scheme.

The UK's road network is maturing and much of it is now in need of refurbishment, rehabilitation or renewal. We have decades of experience and expertise, much of it honed in the transportation sector, which allows us to apply broad and lateral thinking to this type of work.

Our engineers work across all sectors and bring best practice across all infrastructure disciplines from live working environments not just desk top study solutions.



A40 Western Avenue



M5 Exe Viaduct Strengthening



A52 Clifton Bridge Strengethening



Maerdy landslips

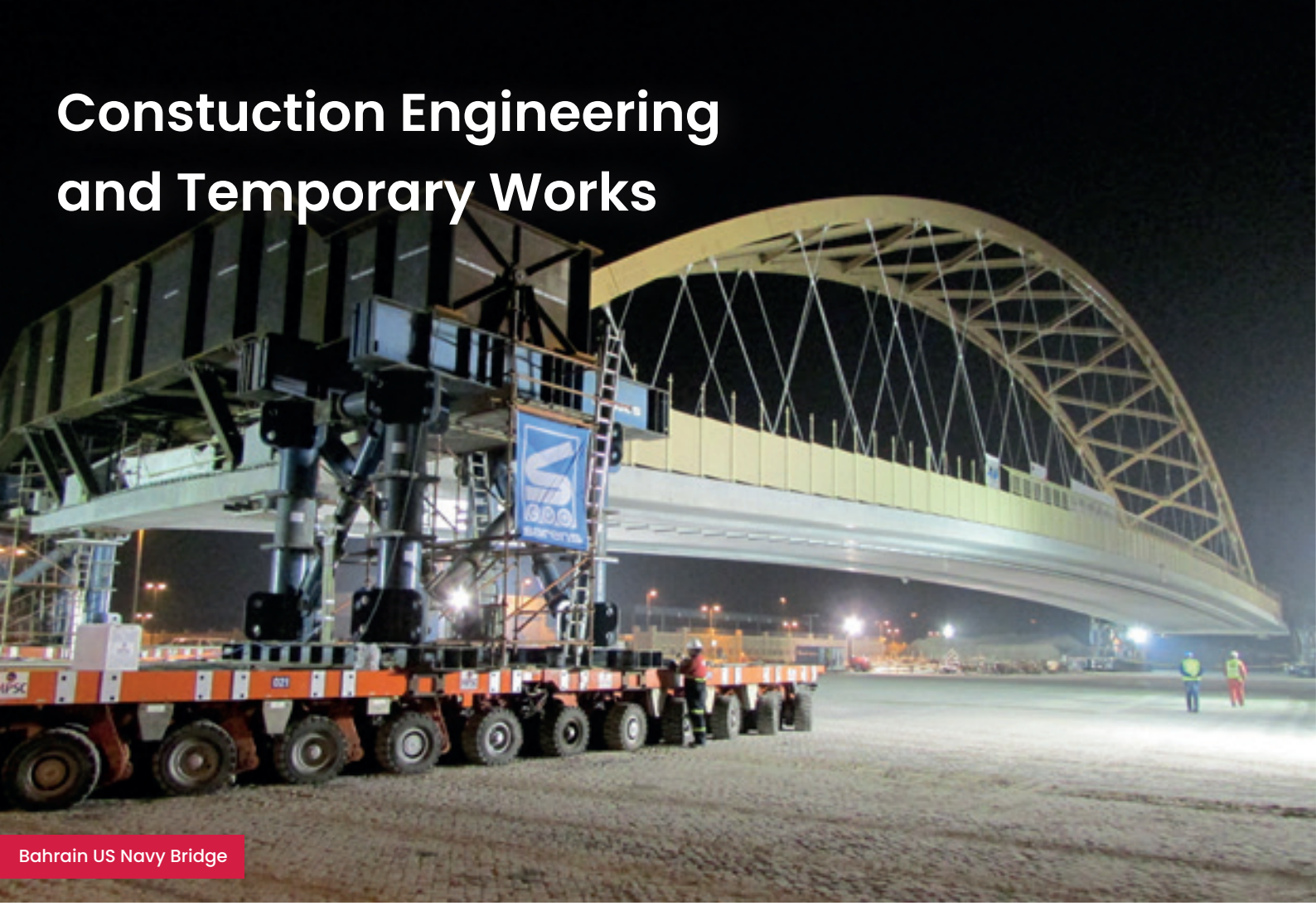


St Albans Bridge



A6 Slope Stabilisation Including Heritage Walls

Constuction Engineering and Temporary Works



Bahrain US Navy Bridge

At Tony Gee we pride ourselves in delivering buildable outcomes. That means that constructability is at the centre for all aspects of our permanent works design.

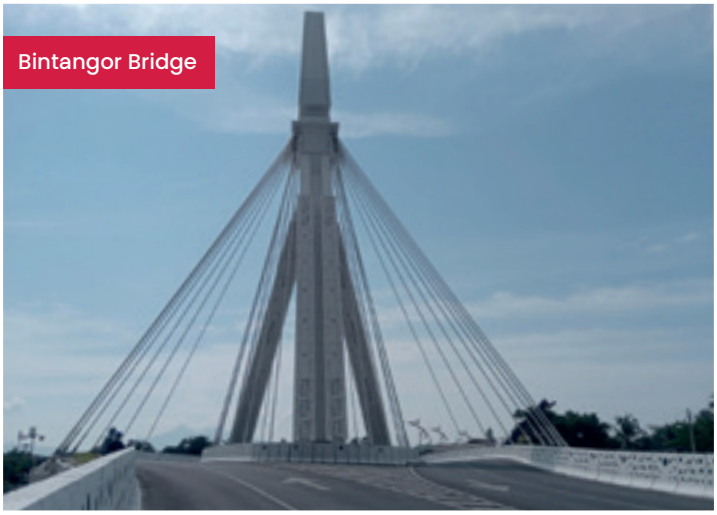
With Tony Gee, temporary works are integral to our design solution. These focus on project outcomes, increasing programme certainty and reducing project risk. Temporary works design and construction methodology can also be provided as stand-alone services. Adding considerable value to construct only projects not just design and construct projects.

This can be delivered in early stages pre-construction or later, during construction.

We complement our advice with our world class technical expertise in a broad range of areas including:

- Traffic diversions
- Construction sequencing
- Re-engineering to improve constructability
- Combining temporary and permanent works design
- Checks of structures in temporary conditions
- Falsework and formwork
- Earthworks stability
- Bridge erection equipment

We relish any challenge that clients invite us to solve.



Bintangor Bridge



Zouch Bridge Replacement



Al Shindagha Creek Crossing



A417 Missing Link



Ash Road Bridge



Luton DART

Our Culture



Our culture shapes everything we do, from how we approach challenges to how we interact with one another and our environment. It's defined by six key principles:

CURIOSITY	RESPECT	EXCELLENCE	AGILITY	TEAMWORK	EMPOWERMENT
We challenge and innovate	We care about and value each other and our envrionment	We continuously improve to do what is best	We are responsive and adaptable	We connect capability	We encourage, trust and nurture

Our people make us

We are a business of people. Our size allows us to maintain our values and culture through simple lines of communication and to be able to remain flexible and responsive to changing demands.

We employ highly qualified and experienced staff and develop them through progressive training programmes to develop the broad range of skills across all disciplines that we have built our reputation on.





Sustainability



Designing for a sustainable future

At Tony Gee, Sustainability is in everything we do: from projects to people, we believe sustainability is about building strong and collaborative relationships with the people we work with.

Our vision is to embed sustainable thinking into every decision, every project, every part of our supply chain, and every role across our business. We take an integrated approach, ensuring all our people are trained, supported, and equipped with the tools and skills they need to deliver meaningful sustainability outcomes in their work.

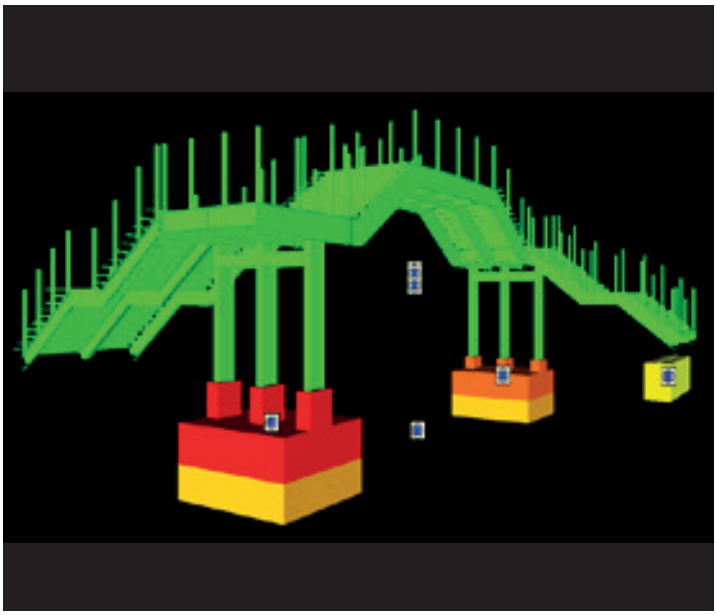
Our focus in sustainability is shaped by our clients' priorities, the scope of each project, and the broader global context, including alignment with the United Nations Sustainable Development Goals (UN SDGs) and to reach Net Zero before 2040.

Giving something back

We take pride in giving back to communities. Whether this is for the contributions we make to charity and good causes or for the engagement in wider industry and local community activity that we support our staff to make. We empower them to make a difference.

We aim to support the communities where we live and work by reducing inequality, improving wellbeing, and leaving behind a positive legacy.

Across everything we do — from our projects to our operations, we apply our experience and expertise to deliver meaningful social outcomes.







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Wokingham Major Highways Programme